

**Conference Highlights**  
***Natural Gas Technology – Investment in a Healthy U.S. Energy Future***  
*As of March 25, 2002*

**Tuesday, May 14, 2002**

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**8:30 – 10:00 a.m.**

**Plenary Panel – Balancing the Technology Role**

A broad look at the role of natural gas in the National Energy Policy (NEP). How to balance policy, regulation, and technology. Current policy issues being addressed and the National Energy Policy balance of economic incentive, regulation, and technology solutions. Environmental balance and the global warming agenda. Natural gas supply related issues, relative importance of infrastructure and consumption to overall National Energy Policy. The importance of government/industry partnerships.

**Session Moderator:**

Rita A. Bajura, Director, National Energy Technology Laboratory

**Keynote Speakers:**

TBD, The White House (invited)

The Honorable Spencer Abraham, Secretary, Department of Energy (invited)

The Honorable Christie Whitman, Administrator, Environmental Protection Agency (invited)

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**10:20 – 11:50 a.m.**

**Keynote Industry Panel – Technology’s Role in the Changing Natural Gas Paradigm**

What are key issues facing the natural gas industry? What are the strategies for maximizing benefit to the public and shareholders? What is the importance of technology and research priorities from supply, infrastructure and end use industry perspectives? What are environmentally sensitive technology needs? What is the role of technology as a risk management tool?

**Session Moderator:**

John Riordan, President, Gas Technology Institute

**Speakers:**

Keith Bailey, CEO, Williams Energy

Chris Mottershead, Technology Vice President, BP Amoco

Tammy Norman, Vice President, Vice President of Marketing & Organization, Dynegy

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**11:50 – 1:30 p.m.**

**Luncheon Keynote Address – Congressional Perspectives Related to Natural Gas**

Congressional perspective on the role of natural gas in securing America’s energy future. What are congressional natural gas R&D priorities? How does congress see the role of technology? Are their views in harmony with those of the Administration?

**Luncheon Speaker:**

Senator Frank Murkowski (invited)

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**1:30 – 4:30 p.m.**

**Concurrent Panel Discussions – Technology Investment Incentives and Benefits**

Key sector policy, economic, and regulatory drivers? “New Age” technology lessons learned? R&D investment drivers (private sector and/or government)? What priority R&D needs should government be addressing? How are advancing technologies benefiting environmental concerns? What is the value and cost of higher efficiency consumption? Are there regulatory roadblocks?

**Track A - Delivering 30 Tcf, Will We Be Ready?**

When will we see a 30Tcf peaking demand market? Is it driving new pipeline and storage development? If it is, who is doing it, and where? Will the market be mature enough? What will be the impact of the short-term trends we are now experiencing on long-term gas markets? What are the infrastructure requirements, including strategic storage? What is the breakdown by region, sector and class? What is the breakdown of the supply sources? Will deregulation/reregulation impact this scenario? What is the role of technology?

**Session Moderator:**

Rhone Resch, Vice President of Energy Markets, Natural Gas Supply Association

**Panelists:**

Robert Bryngelson, Managing Director, Business Development, LNG, El Paso Global LNG Co.  
Mary Jo Hutzler, Administrator, Energy Information Administration  
Tom O’Connor, Senior Vice President, Marketing & Capacity Management, Duke Energy  
Richard Sharples, Senior Vice President, Minerals, Anadarko Petroleum  
Lee Stewart, President, Energy Transmission Services, SoCal Gas

**Track B - Electricity Generation – Fuel of Choice?**

What are the costs of alternative generating technologies? What is the potential impact of timing, price, and regulation? What are infrastructure requirements (including storage)? Is convergence playing any role? What is the driver – technology, environment, and cost? How big a factor is distributed generation – needs, technology and cost perspectives?

**Session Moderator:**

T.J. Glauthier, President & CEO, Electricity Innovation Institute

**Panelists:**

Rita A. Bajura, Director, National Energy Technology Laboratory  
Chuck Daverio, Vice President, Energy Supply, Keyspan  
Mark Fallek, Vice President and Chief Marketing Officer, DTE, Inc.  
Ed Lowe, Manager, H Product Line, General Electric Company  
Tamara Walden, Vice President, Strategic Business Relations, Energy Marketing and Trading, Williams Energy

**Track C - Industry, Business – How Efficient, Safe, and Secure?**

Track C - Industry, Business - How Efficient, Safe, and Secure?

What is the efficiency gain over the years in each of these sectors? What are future targets? What are the drivers - incentives, regulations, market, technology innovation, and environmental concern? Which sector is the leader? Is conservation still a big player? Where does technology

have the biggest impact - conservation or efficiency? What are the safety, security and reliability concerns facing the natural gas industry today? What are the near term and long term solutions? What technology developments are necessary to strengthen the security and reliability of the U.S. natural gas infrastructure? Who are the stakeholders and what is the role for government?

**Session Moderator:**

Charles Fritts, Vice President of Government Relations, American Gas Association

**Panelists:**

Stan Borys, Executive Vice President and COO, Gas Technology Institute

Alex de Alvarez, Senior Advisor, Critical Infrastructure Protection, Office of Energy Assurance, U.S. Department of Energy

Volker Hartkopf, Director, Center for Building Performance and Diagnostics, Carnegie Mellon University

Jason Makansi, President, Pearl Street, Inc.

Doug Quillen, Senior Advisor, Angola LNG Project, ChevronTexaco

Bill Boswell, Chairman, North American Energy Standards Board

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**5:00 – 7:00 p.m.**

**Reception – Technology R&D Information Exchange**

An informal reception with refreshments to showcase government/industry partnerships, R&D initiatives and roadmaps. Booth/table demonstrations, a fuel cell simulator, model simulations, websites and posters will be on display. This reception will showcase natural gas technology and policy analysis initiatives. Display and/or discussions should include environmentally sensitive technologies. Reception will feature one-on-one small group conversations.

**Suggested Agency Representation:**

Department of Energy

Strategic Center for Natural Gas

Fossil Energy - Department of Energy

Department of the Interior

Energy Information Administration - Department of Energy

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**Wednesday, May 15, 2002**

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**7:30 – 9:00 a.m.**

**Continental Breakfast – Technology R&D Information Exchange**

A continuation of the technology R&D information exchange from the previous day.

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**9:30 – 11:30 a.m.**

**Future Directions Panel – Policy Development and Implementation**

What are the optimum incentives balance (profit, technology deployment, and environment)? What are the implications of deregulation and re-regulation initiatives? How big is the influence of market dynamics (price volatility), and regulatory uncertainties? What are policy implications of regional supply, demand and infrastructure unique needs? What is the regional impact of the National Energy Policy? Are policies and regulation having desired result? How do we develop and implement policies that promote enabling technologies that cut across the entire value chain – production with minimal environmental impact, less pollution in the conversion process, and efficient and less polluting end use? Federal land access regulation – what should we expect?

**Session Moderator:**

Margot Anderson, Deputy Assistant Secretary for Policy, U.S. Department of Energy

**Panelists:**

William Boswell, Chairman, North American Energy Standards Board

Hugh Guthrie, Senior Management and Technical Advisor, National Energy Technology Laboratory

Christine Hansen, Executive Director, Interstate Oil and Gas Compact Commission

Donald Mason, Vice Chairman, Gas Committee, National Association of Regulatory Utility Commissioners

Barry K. Worthington, President, United States Energy Association

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**11:30 a.m. – 1:00 p.m.**

**Awards Luncheon**

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**1:00 – 3:00 p.m.**

**Technology R&D Information Exchange**

A continuation of the technology R&D information exchange.

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